FORM PTO-1449 (SUBSTITUTE) APR 0 4 2005 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))	Attorney Docket No.: S&ZFH030507	Applic. No. 10/727,802
	Applicant Heiko Schwarz et al.	
	Filing Date December 4, 2003	Group Art Unit 2613

U.S. PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

/TV/	O	Jukka Teuhola: "A Compression Method For Clustered Bit-Vectors", *Information processing Letters, Vol. 7, No. 6, October 1978, pp. 308-311, XP-001000934*
/TV/	P	Detlev Marpe et al.: "Video Compression Using Context-Based Adaptive Arithmetic Coding", *IEEE 2001, pp. 558-561, XP-10563407A*

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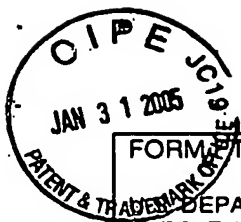
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/TV/	O	Timothy Bell et al.: "Compression of Sparse Matrices by Arithmetic Coding", Data Compression Conference, 1998, DCC '98 Proceedings, Snowbird, UT, USA, March 30 – April 1, 1998, IEEE Press, March 30, 1998, pp. 23-32, XP-010276609
/TV/	P	Gisle Bjontegaard: "Improved low complexity entropy coding for transform coefficients", *Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6), 2nd Meeting, Geneva, Switzerland, January 29, 2002, pp. 1-8, XP002257294*

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/TV/		Ref 1.01: **Title:** Draft ITU-T Recommendation and Final Draft International Standard Joint Video Specification (ITU-T Rec. H.264I ISO/IEC 14496-10 AVC). **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-250.**
/TV/		Ref 1.02: **Title:** Overview of the H.264/AVC Video Coding Standard. **Author:** Thomas Wiegand, Gary J. Sullivan, Senior Member, IEEE, Gisele Bjontegaard, and Ajay Luthra, Senior Member, IEEE. **Pages: 560-576.**
/TV/		Ref 1.03: **Title:** Information Technology-Generic Coding Moving Pictures and Associated Audio Information: Video. **From:** International Standard 13818-2 Recommendation ITU-T H.26. **Pages: 1-224.**
/TV/		Ref 1.04: **Title:** Draft Text of Recommendation H.263 Version 2 ("H.263+") for Decision. **From:** International Telecommunication Union. **Pages: 1-143.**
/TV/		Ref 1.05: **Title:** Information Technology-Coding of Audio Visual Objects-Part 2: Visual. **From:** International Organization for Standardization Organization International Normalization ISO/IEC JTC1/SC29/WG 11 Coding of Moving Picture and Audio. **Pages: 1-526.**
/TV/		Ref 1.06: **Title:** DCT Coding for Motion Video Storage Using Adaptive Arithmetic Coding. **Author:** C.A. Gonzalez, L. Allman, T. McCarthy, P. Wendt. **Pages: 145-154.**
/TV/		Ref 1.07: **Title:** Adaptive Codes for H.26L. **From:** ITU - Telecommunications Standardization Sector. **Pages: 1-7**
/TV/		Ref 1.08: **Title:** Further Results for CABAC Entropy Coding Scheme. **From:** ITU -Telecommunications Standardization Sector. **Pages: 1-8.**

/TV/		Ref 1.09: **Title:** Improved CABAC. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-6.**
/TV/		Ref 1.10: **Title:** New Results in Improved CABAC. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-12.**
/TV/		Ref 1.11: **Title:** Improved CABAC. **From:** ITU-Telecommunications Standardization Sector. **Pages: 1-9.**
/TV/		Ref 1.12: **Title:** Fast Arithmetic Coding for CABAC. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-11.**
/TV/		Ref 1.13: **Title:** CABAC and Slices. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-17.**
/TV/		Ref 1.14: **Title:** Analysis and Simplification of Intra Prediction. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6).
/TV/		Ref 1.15: **Title:** Proposed Cleanup Changes for CABAC. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-7.**
/TV/		Ref 1.16: **Title:** CABAC Cleanup and Complexity Reduction. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-20.**
/TV/		Ref 1.17: **Title:** Final CABAC Cleanup. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-24.**
/TV/		Ref 1.18: **Title:** Very Low Bit-Rate Video Coding Using Wavelet-Based Techniques. **Author:** Detlev Marpe and Hans L. Cycon. **Pages: 85-94.**
/TV/		Ref 1.19: **Title:** Wavelet-Based Very Low Bit-Rate Video Coding Using Image Warping and Overlapped Block Motion Compensation. **Author:** G. Heising, D. Marpe, H.L. Cycon and A.P. Petukhov. **Pages: 93-101.**
/TV/		Ref 1.20: **Title:** Motion-Compensated 3-D Subband Coding of Video. **Author:** Seung-Jong Choi and John W. Woods, Fellow IEEE. **Pages: 155-167.**
/TV/		Ref 1.21: **Title:** A New Fast and Efficient Image Codec Based on Set Partitioning in Hierarchical Trees*. **Author:** Amir Said (Faculty of Electrical Engineering) and William A. Pearlman (Department of Electrical, Computer, and Systems Engineering Renesselar Polytechnic Institute). **Pages: 1-15.**
/TV/		Ref 1.22: **Title:** Efficient Pre-Coding Techniques for Wavelet-Based Image Compression. **Author:** Detlev Marpe & Hans L. Cycon. **Pages: 45-51.**

/TV/		Ref 1.23: **Title:** Universal Modeling and Coding. **Author:** Jorma Rissanen and Glen G. Langdon, Jr., Senior Member, IEEE. **Pages: 12-23.**
/TV/		Ref 1.24: **Title:** Universal Coding Information, Prediction, and Estimation. **Author:** Jorma Rissanen. **Pages: 629-636.**
/TV/		Ref 1.27: **Title:** Applications of Universal Context Modeling to Lossless Compression of Grey-Scale Images. **Author:** Marcelo J. Weinberger, Member, IEEE, Jorma J. Rissanen, Senior Member, IEEE, and Ronald B. Arps. **Pages: 575-586.**
/TV/		Ref 1.29: **Title:** A Compression Method for Clustered Bit-Vectors. **Author:** Jukka Teuhola (Department of Computer Science, University of Turka). **Application: XP-001000934.**
/TV/		Ref 1.30: **Title:** Optimal Source Codes for Geometrically Distributed Integer Alphabets. **Author:** Robert G. Gallager, fellow, IEEE, David C. Vanvoorhis, member, IEEE. **Pages: 228-230.**
/TV/		Ref 1.32: **Title:** An Overview of the Basic Principles of the Q-Coder Adaptive Binary Arithmetic Coder. **Author:** W.B. Pennebaker, J.L. Mitchell, G.G. Langdon, Jr., and R.B. Arps. **Pages: 717-726.**
/TV/		Ref 1.31: **Title:** A Context Modeling Algorithm and its Application in Video Compression. **Author:** Marta Mrak, Detlev Marpe, and Thomas Wiegand.
/TV/		Ref 1.33: **Title:** A Muliplication-Free Multialphabet Arithmetic Code. **Author:** Jorma Rissanen and K.M. Mohiuddin. **Pages: 93-98.**
/TV/		Ref 1.34: **Title:** Practical Implementations of Arithmetic Code. **Author:** Paul G. Howard and Jeffrey Scott Vitter. **Pages: 1-30.**
/TV/		Ref 1.35: **Title:** Sample Data Coding. **From:** Chapter 12. **Pages: 474-484.**
/TV/		Ref 1.37: **Title:** Arithmetic Code Revisited. **Author:** Alistair Moffat (The University of Melbourne), Radford M. Neal (University of Toronto), and Ian H. Witten (zthe University of Waikato). **Pages: 257-294.**
/TV/		Ref 1.38: **Title:** Rate-Constrained Coder Control and Comparison of Video Coding Standards. **Author:** IEEE Transactions on Circuits and Systems for Video Technology, Vol. 13, No. 7, July 2003. Thomas Wiegand, Heiko Schwarz, Anthony Joch, Faouzi Kossentini, Senior Members, IEEE, and Gary J. Sullivan, Senior Member, IEEE. **Pages: 689-703.**

/TV/		Ref 2.1: **Title: Draft ITU-T Recommendation and Final Draft** International Standard of Joint Video Specification (ITU-T rec. H.264 I ISO/IEC 14496-10 AVC). **From:** Joint Video Team (JVT) of SO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG 16 Q.6). **Pages 1-249.**
/TV/		Ref 2.03x: **Title:** Line Transmission of Non-Telephone Signals / Video Codec for Audiovisual Services AT p x 64 kbit/s. **From:** International Telecommunication Union H.261. **Pages: 1-25.**
/TV/		Ref 2.06x: **Title:** H.264/AVC Over IP. **From:** Stephan Wenger. **Pages: 645-656.**
/TV/		Ref 2.07: **Title:** H.264/AVC in Wireless Environments. **Author:** Thomas Stockhammer, Miska M. Hannuksela, and Thomas Wiegand. **Pages: 657-673.**
/TV/		Ref 2.08: **Title:** Motion-and Aliasing-Compensated Prediction for Hybrid Video Coding. **Author:** Thomas Wedi and Hand Georg Musmann. **Pages: 577-586.**
/TV/		Ref 2.9: **Title:** Long-Term Memory Motion-Compensated Prediction. **Author:** Thomas Wiegand, Xiaozheng Zhang, and Bernd Girod, Fellow, IEEE. **Pages: 70-84.**
/TV/		Ref 2.11: **Title:** A Locally Optimal Design Algorithm for Block-Based Multi-Hypothesis Motion-Compensated Prediction. **Author:** Markus Flierl, Thomas Wiegand, and Bernd Girod Telecommunications Laboratory University of Erlangen-Nürnberg, Germany. **Pages: 1-10.**
/TV/		Ref 2.12: **Title:** Generalized B Pictures and the Draft H.264/AVC Video-Compression Standard. **Author:** Markus Flierl, Student Member, IEEE, and Bernd Girod, Fellow, IEEE. **Pages: 587-597.**
/TV/		Ref 2.13: **Title:** Rate-Constrained Coder Control and Compression of Video Coding Standards. **From:** Thomas Wiegand, Heiko Schwarz, Anthony Joch, Faouzi Kossentini, Senior Member, IEEE, and Gary J. Sullivan, Senior Member, IEEE. **Pages: 688-703.**
/TV/		Ref 2.14: **Title:** H.264/AVC Over IP. **Author:** Stephan Wenger. **Pages: 645-656.**
/TV/		Ref 2.15: **Title:** The SP-and Si-Frames Design for H.264/AVC. **Author:** Marta Karcewicz and Ragip Kurceren, Member, IEEE. **Pages: 637-644.**
/TV/		Ref 2.16: **Title:** Context-Based Adaptive Binary Arithmetic Coding in the H/264/AVC Video Compression Standard. **Author:** Detlev Marpe, Member, IEEE, Heiko Schwarz, and Thomas Wiegand. **Pages: 620-636.**

/TV/		Ref 2.17: **Title:** Low-Complexity Transform and Quantization in H.264/AVC. **From:** Henrique S. Malvar, Fellow, IEEE, Antti Hallapuro, Marta Karczewicz, and Louis Kerofsky, Member, IEEE. **Pages: 598-603.**
/TV/		Ref 2.18: **Title:** Adaptive Deblocking Filter. **Author:** Peter List, Anthony Joch, Jani Lainema, Gisle Bjontegaard, and Marta Karczewicz. **Pages: 614-619.**
/TV/		Ref 2.19: **Title:** A Generalized Hypothetical Reference Decoder for H.264/AVC. **Author:** Jordi Ribas-Cobrera, Member, IEEE, Philip A. Chou, Senior Member, IEEE, and Shankar L. Regunathan. **Pages: 674-687.**
/TV/		Ref A: **Title:** Draft ITU-T Recommendation and Final Draft International Standard of Joint Video Specification (ITU-T Rec. zh.264 I ISO/IEC 14496-10 AVC). **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO.IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-253.**
/TV/		Ref B: **Title:** A Highly Efficient Multiplication-Free Binary Arithmetic Coder and its Application in Video Coding. **Author:** Detlev Marpe and Thomas Wiegand. **Pages: 1-4.**
/TV/		Ref C: **Title:** Proposed Editorial Changes and Cleanup of CABAC. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO.IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-10.**
/TV/		Ref D: **Title:** Study of Final Committee Draft of Joint Video Specification (ITU-T Rec. H.264 I ISO/IEC 14496-10 AVC). **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO.IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-239.**
/TV/ /TV/		Ref E: **Title:** Study of Final Committee Draft and Joint Video Specification (ITU-T Rec. H.264 I ISO/IEC 14496-10 AVC). **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO.IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-227.**
/TV/		Ref F: **Title:** CABAC and Slices. **From:** Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO.IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6). **Pages: 1-17.**

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